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[REDACTED] Approved For Release 2003/09/30 : CIA-RDP75B00285R000300140009-5

S E C R E T

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13 June 1974

MEMORANDUM FOR THE RECORD

SUBJECT: Trip Report, 3-6 June 1974

I. School of Aviation Medicine (SAM), Brooks AFB, Texas.

A. The undersigned met with Dr. Billy Richardson, SAM, Lt Col Lucchesi, SAC HQs, Lt Morgan, SAM, and [REDACTED] to discuss follow-on prototype of the [REDACTED] Polycarbonate Helmet. Dr. Richardson is continuing this effort utilizing SAM research funds and Air Force SPO funds. A new helmet will be made with the following modifications, and no funds will be required from OSA.

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1. Poured head mold to reduce dead space, improve pilot comfort, and reduce residual carbon dioxide levels. It will also provide anti-buffet protection which did not appear adequate in the original prototypes.

2. The visor will be enlarged to provide an enlarged visual field.

3. Visor will be heated.

4. An anti-glare coating as well as a hard coating to reduce scratching will be added to the visor.

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USAF review(s) completed.

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5. What effect manual-suit pressurization at cabin altitude has on increasing effective denitrogenation?

6. Wash-out rate versus renitrogenation curves.

C. Additional meetings will be held with NASA/SAM and a final protocol will be established hopefully prior to 1 July 1974. Research work will then be conducted at Brooks AFB, Texas.

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CONCURRENCE AND/OR COMMENTS:

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AMS/OSA (13 Jun 74)

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